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CB

Attorney's Docket No.: 42P14875C

Patent

In re the Application of: Tuganov et al.  
(inventor(s))

Application No.: 10/625,913

Filed: July 22, 2003

For: LASER APPARATUS WITH ACTIVE THERMAL TUNING OF EXTERNAL CAVITY

(title)

Mail Stop Amendment  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR: Transmitted herewith is a **Response and Amendment** for the above-referenced application.

Applicant claims small entity status. See 37 CFR 1.27.

☒ **No additional fee is required.**  
☒ **Information Disclosure Statement, Terminal Disclaimer and applicable submission fees are enclosed.**

The fee has been calculated as shown below:

	(Col. 1)		(Col. 2)	(Col. 3)
	Claims Remaining After Amd.		Highest No. Previously Paid For	Present Extra
Total Claims	* 20	Minus	** 26	0
Indep. Claims	* 3	Minus	*** 4	0
<input type="checkbox"/>	<b>First Presentation of Multiple Dependent Claim(s)</b>			

\* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest No. Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

SMALL ENTITY	
Rate	Additional Fee
X25	\$
X100	\$
+180	\$
Total Add. Fee	\$

OTHER THAN A SMALL ENTITY	
Rate	Additional Fee
X50	\$ 0
X200	\$ 0
+360	\$
Total Add. Fee	\$ 0

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on July 5, 2005  
Date of Deposit

Yuko Tanaka  
Name of Person Mailing Correspondence

Y. Tanaka  
Signature

July 5, 2005  
Date

\_\_\_\_\_ A check in the amount of \$ \_\_\_\_\_ is attached for presentation of additional claim(s).  
\_\_\_\_\_ Applicant(s) hereby Petition(s) for an Extension of Time of \_\_\_\_\_ month(s) pursuant to  
37 C.F.R. § 1.136(a).

  X   A check in the amount of \$ 310.00 is attached for IDS submission fee (\$180.00) under 37 C.F.R. §  
1.17(p) and statutory disclaimer filing fee (\$130.00) under 37 C.F.R. § 1.21(d).

\_\_\_\_\_ Please charge my Deposit Account No. 02-2666 the amount of \$ \_\_\_\_\_.

\_\_\_\_\_ A duplicate copy of this sheet is enclosed.

  X   The Under Secretary of Commerce for Intellectual Property and Director of the United States  
Patent and Trademark Office is hereby authorized to charge payment of the following fees associated  
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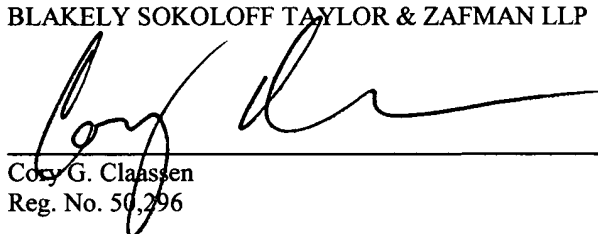
  X   Any additional filing fees required under 37 C.F.R. § 1.16 for presentation of extra claims.

  X   Any extension or petition fees under 37 C.F.R. § 1.17.

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

Date: July 5, 2005

12400 Wilshire Boulevard  
Seventh Floor  
Los Angeles, California 90025  
(206) 292-8600

  
\_\_\_\_\_  
Cory G. Claassen  
Reg. No. 50,296

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July 5, 2005

Yuko Tanaka

*Y. Tanaka*

July 5, 2005

Date Mailed

Name

Signature

Date

Attorney's Docket No. 42P14875C

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Patent Application of:

Tuganov et al.

Application No. 10/625,913

Filed: July 22, 2003

For: LASER APPARATUS WITH ACTIVE  
THERMAL TUNING OF EXTERNAL  
CAVITY

Examiner: Nguyen Tuan N.

Art Unit: 2828

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**INFORMATION DISCLOSURE STATEMENT**

Sir/Madam:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

07/11/2005 SSITHIB1 00000101 10625913

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180.00 0P

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LJV/cak (11/07/00)

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

\_\_\_\_\_ 37 C.F.R. §1.97(b).

**X** 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

\_\_\_\_\_ A statement pursuant to 37 C.F.R. §1.97(e) or

**X** A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

\_\_\_\_\_ 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

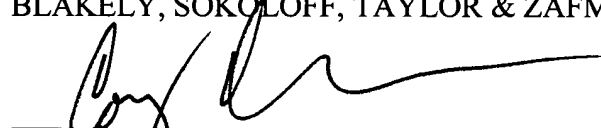
- (1) A certification pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$ 180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

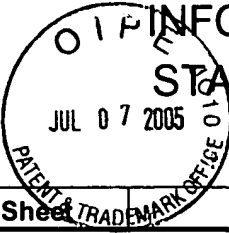
Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: July 5, 2005

  
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Cory G. Claassen  
Reg. No. 50,296

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Los Angeles, CA 90025-1026  
(206) 292-8600

Substitute for Form 1449/PTO					<b>Complete if Known</b>	
 <p style="font-size: 1.2em; margin: 0;"><b>INFORMATION DISCLOSURE</b></p> <p style="font-size: 1.2em; margin: 0;"><b>STATEMENT BY APPLICANT</b></p> <p style="font-size: 0.8em; margin: 0;">(use as many sheets as necessary)</p>					Application Number	10/625,913
					Filing Date	July 22, 2003
					First Named Inventor:	Tuganov et al.
					Art Unit	2828
					Examiner Name	Nguyen, Tuan N.
Attorney Docket Number	42P14875C					
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code <sup>2</sup> (if known)				
	1.	US- 3,967,211	06/29/1976	Itzkan et al.		
	2.	US- 4,309,671	01/05/1982	Malyon		
	3.	US- 4,504,950	03/12/1985	AuYeung		
	4.	US- 4,560,246	12/24/1985	Cotter		
	5.	US- 4,583,227	04/15/1986	Kirkby		
	6.	US- 4,770,047	09/13/1988	Arditty et al.		
	7.	US- 4,839,614	06/13/1989	Hill et al.		
	8.	US- 4,843,233	06/27/1989	Jeunhomme		
	9.	US- 4,870,269	09/26/1989	Jeunhomme et al.		
	10.	US- 4,932,782	06/12/1990	Graindorge et al.		
	11.	US- 4,994,677	02/19/1991	Graindorge		
	12.	US- 5,028,395	07/02/1991	Sebille et al.		
	13.	US- 5,058,124	10/15/1991	Cameron et al.		
	14.	US- 5,103,457	04/07/1992	Wallace et al.		
	15.	US- 5,115,677	05/26/1992	Martin et al.		
	16.	US- 5,141,316	08/25/1992	Lefevre et al.		
	17.	US- 5,172,185	12/15/1992	Leuchs et al.		
	18.	US- 5,181,078	01/19/1993	Lefevre et al.		
	19.	US- 5,185,643	02/09/1993	Vry et al.		
	20.	US- 5,225,930	07/06/1993	Land et al.		
	21.	US- 5,270,791	12/14/1993	Lefevre et al.		
	22.	US- 5,305,330	04/19/1994	Rieder et al.		
	23.	US- 5,319,668	06/07/1994	Luecke		
	24.	US- 5,321,717	06/14/1994	Adachi et al.		
	25.	US- 5,331,651	07/19/1994	Becker et al.		
	26.	US- 5,347,527	09/13/1994	Favre et al.		
	27.	US- 5,349,439	09/20/1994	Graindorge et al.		
	28.	US- 5,349,440	09/20/1994	DeGroot		
	29.	US- 5,373,515	12/13/1994	Wakabayashi et al.		
	30.	US- 5,387,974	02/07/1995	Nakatani		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

<b>Substitute for Form 1449/PTO</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>					<b>Complete if Known</b>	
					Application Number	10/625,913
					Filing Date	July 22, 2003
					First Named Inventor:	Tuganov et al.
					Art Unit	2828
					Examiner Name	Nguyen, Tuan N.
Sheet	2	of	4	Attorney Docket Number	42P14875C	
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
	31.	US-	5,412,474	05/02/1995	Reasenberg et al.	
	32.	US-	5,420,687	05/30/1995	Kachanov	
	33.	US-	5,438,579	08/01/1995	Eda et al.	
	34.	US-	5,450,202	09/12/1995	Tissue	
	35.	US-	5,473,625	12/05/1995	Hansen et al.	
	36.	US-	5,543,916	08/06/1996	Kachanov	
	37.	US-	5,583,638	12/10/1996	Cutler	
	38.	US-	5,594,744	01/14/1997	Lefevre et al.	
	39.	US-	5,606,439	02/25/1997	Wu	
	40.	US-	5,631,736	05/20/1997	Thiel et al.	
	41.	US-	5,712,704	01/27/1998	Martin et al.	
	42.	US-	5,719,674	02/17/1998	Martin et al.	
	43.	US-	5,737,109	04/07/1998	Goodwin	
	44.	US-	5,760,391	06/02/1998	Narendran	
	45.	US-	5,802,085	09/01/1998	Lefevre et al.	
	46.	US-	5,825,792	10/20/1998	Villeneuve et al.	
	47.	US-	5,886,785	03/23/1999	Lefevre et al.	
	48.	US-	5,946,331	08/31/1999	Amersfoort et al.	
	49.	US-	5,991,061	11/23/1999	Adams et al.	
	50.	US-	6,061,369	05/09/2000	Conradi	
	51.	US-	6,084,695	07/04/2000	Martin et al.	
	52.	US-	6,108,355	08/22/2000	Zorabedian	
	53.	US-	RE37,044 E	02/06/2001	Wu	
	54.	US-	6,192,058 B1	02/20/2001	Abeles	
	55.	US-	6,246,480 B1	06/12/2001	O'Brien	
	56.	US-	6,249,364 B1	06/19/2001	Martin et al.	
	57.	US-	6,252,718 B1	06/26/2001	Lefevre	
	58.	US-	6,282,215 B1	08/28/2001	Zorabedian et al.	
	59.	US-	6,331,892 B1	12/18/2001	Green	

Examiner Signature		Date Considered	
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Examiner Name	Nguyen, Tuan N.				
<b>Sheet</b>	<b>3</b>	<b>of</b>	<b>4</b>	Attorney Docket Number	42P14875C

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	60.	EP	0 924 628 A2	06/23/1999	Hewlett-Packard Company		
	61.	WO	98/44424	10/08/1998	EL-MAR SOFTWARE LTD.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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				Art Unit	2828
				Examiner Name	Nguyen, Tuan N.
Sheet	4	of	4	Attorney Docket Number	42P14875C

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	62.	FAVRE, F. et al., "External-Cavity Semiconductor Laser With 15nm Continuous Tuning Range," Electronics Letters, vol. 22, No. 15, Jul. 19, 1986, pp. 795-796.	
	63.	MELLIS, J. et al., "Miniature packaged external-cavity semiconductor laser with 50 GHz continuous electrical tuning range," Electronics Letters, Vol. 24, No. 16, 4 August 1988, pp. 988 – 989.	
	64.	MacLeod, H.A., "Thin Film Optical Filters," 2.sup.nd Edition, McGraw-Hill, 1989, pp. 244-269.	
	65.	SCOBAY, M. A. and STUPIK, P. D., "Stable ultranarrow bandpass filters," Proc. SPIE Int. Soc. Opt. Eng. 2262, 1994, pp. 37-46.	
	66.	ROSENBERG, K. P. et al., "Logarithmically variable infrared etalon filters," Proc. SPIE Int. Soc. Opt. Eng. 2262, 1994, pp. 223-262.	
	67.	Takahashi, H., "Temperature Stability of Thin-Film Narrow-Bandpass Filters Produced by Ion-Assisted Deposition," Applied Optics, vol. 34, No. 4, Feb. 1, 1995, pp. 667-675.	

Examiner Signature		Date Considered	
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English translation is attached.

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